

Analytical Data Sheet

Lot number **1000004575**
not for drug use

Catalog number H-5645.0500
Product number 4030658.0500
Product **Gastric Inhibitory Polypeptide (human)**
 H- Tyr- Ala- Glu- Gly- Thr- Phe- Ile- Ser- Asp- Tyr- Ser-
 Ile- Ala- Met- Asp- Lys- Ile- His- Gln- Gln- Asp- Phe-
 Val- Asn- Trp- Leu- Leu- Ala- Gln- Lys- Gly- Lys- Lys-
 Asn- Asp- Trp- Lys- His- Asn- Ile- Thr- Gln- OH
Molecular formula $C_{226}H_{338}N_{60}O_{66}S$
Relative molecular mass 4983.60

Tests	Results
Appearance	white lyophilisate
Appearance of solution	clear, colorless solution (1 mg/mL in water)
Identification (ESI-MS)	m = 4983.5u (average mass)
Amino acid analysis	Asx 6.7 (7) Thr 2.0 (2) Lys 5.3 (5) Ser 1.9 (2) Ala 2.6 (3) Ile 4.2 (4) Glx 5.3 (5) Tyr 2.3 (2) Leu 2.3 (2) Gly 2.2 (2) Val 1.1 (1) Phe 2.2 (2) His 2.2 (2) Met 1.1 (1) Trp det. in UV
Purity (HPLC)	96.4% (TFA) 95.8% (NaClO ₄)
Assay (elemental analysis)	89.3% (Nth 16.86%, Nfd 15.05%)

Latest update: August 13, 2018

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